

NOTES ON THE SPECIES OF ERYTHRINA. XV.

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Erythrina Symposium III was published in Ann. of the Missouri Bot. Garden in 1979. Thirteen additional papers are planned for publishing late in 1980 as Erythrina Symposium IV. I plan to submit a brief paper for this symposium, reserving the present paper for information which is best published separately.

53 new collections are cited in this paper, but the data on many others were lost on my flight to the South America and these are not cited here. No novelties are described in this paper and no extensions of range are given as these are reserved for Supplement XVI which will be published as a part of Erythrina Symposium IV.

1. Erythrina fusca Loureiro, Fl. Cochinch. 427. 1790, based on Gelala aquatica Rumphius, Herb. Amb. 2: 235. tab. 78. 1750.

Colombia: Cundinamarca: Girardot, H. Garcia Barriga 20302 (F). Thailand: Angtong Province: J. F. Maxwell 75-573 (L). New Guinea: Western Det., R. Pullen 7078 (A), 7079 (A).

2. Erythrina crista-galli L. Mant. 99. 1767.

Two specimens from cult. plants were seen, one at MIN, cultivated in South Caroline, and another at TEX cultivated in Galveston, Texas.

3. Erythrina falcata Benthem in Mart., Fl. Bras 15 (1): 172. 1859.

Brazil: Parana: Campo Novo, G. Hatchbach 19833 (F).

4. Erythrina dominguezii Hassler, Physis 6: 123. 1922.

Argentina: Corrientes (cult.), C. L. Cristobal 1719 (MO).

7. Erythrina poeppigiana (Walpers) O. F. Cook, U.S. D.A. Div. Bot. Bull. 25: 57. 1901.

Venezuela: Lara: J. Steyermark 108762 (F); Miranda: Cerros de Bachiller, J. Steyermark 116412. Peru: Cuzco: C. Vargas 13684 (US). Bolivia: La Paz: Yungas, St. G. Beck 1862. West Indies: Grenada (cult.), R. A. Howard 18753.

10. *Erythrina stricta* Roxburgh, Hort. Beng. 53, nomen 1814; Fl. Ind. 3: 251. 1832.

Thailand: Uta Thani, C. F. van Beusekom 2823A; Saraburi Province: J. F. Maxwell 74-921, Chonburi Province: J. F. Maxwell 75-57.

15. *Erythrina edulis* Triana in M. Micheli, J. Bot. (Morot) 6: 145. 1892.

Ecuador: Napo: Baeza, 2000-2200 m, H. Balslev 10324 (grading into *E. aff. edulis*).

- 15b. *Erythrina megistophylla* Diels, Biblioth. Bot. 116: 96. 1937.

Ecuador: Los Rios: Hugh H. Iltis E-131.

20. *Erythrina leptorhiza* Alph. DeCandolle, Prodr. 2: 413. 1825.

Mexico: Hidalgo: Brian Marcks 696 (WIS).

- 22a. *Erythrina herbacea* L. subsp. *herbacea*. *Erythrina herbacea* L., Sp. Plant. 706. 1953 sens. str.

U.S.A., Louisiana: Joseph Ewan 21365 (A); Texas: Fred R. Waller 3600 (A), Alfred Traverse, 1113 (A). In addition, I examined 31 specimens from Herbarium of Minnesota (4 specimens from Georgia, 4 from S. Carolina, 2 from Louisiana, 2 from Alabama, 2 from Mississippi and 18 from Florida), and 4 specimens from Herbarium of Texas (1 from Georgia, 1 from Florida and 2 from Texas).

- 22b. *Erythrina herbacea* L. ssp. *nigrorosea* Krukoff & Barneby Phytologia 25 (1): 6. 1972.

Mexico: Veracruz: J. J. Fay 920 (F), 926 (US).

24. *Erythrina flabelliformis* Kearney, Trans. NY Acad. Sci. 14: 32. 1894.

Mexico: Michoacan: West of Zamora, Gregg 586 (MO). In addition, I examined from Herbarium of Texas six specimens and from Herbarium of Minnesota one specimen - all from Santa Rita Mountains, Arizona.

30. *Erythrina caribaea* Krukoff & Barneby, Phytologia 25: 9. 1972.

- Mexico: Veracruz: Marino Rosas R. 1290 (A).
41. Erythrina chiriquensis Krukoff, Brittonia 3: 322. 1939.
Panama: Chiriqui: Barry Hammel 7146.
53. Erythrina berteroana Urban, Symb. Ant. 5: 370. 1908.
Costa Rica; A. Gentry 516 (WIS); Guanacaste: J. D. Sauer
5811 (WIS). Colombia: Santa Marta: Starker White 428 (WIS).
54. Erythrina rubrinervia H. B. K., Nov. Gen. & Sp. 6: 434.
1824.
Colombia: Cundinamarca: H. Garcia Barriga 20200 (US),
20954 (US), 20960 (US), 21039 (A).
58. Erythrina gibbosa Cufodontis, Arch. Bot. Sist. Fitog. &
Genet. 10: 34. 1934.
Costa Rica: Corcovado Nat. Park, D. A. Janzen 10627 (MO).
62. Erythrina mitis Jacquin, Hort. Schoenb. 2: 47. 1797.
Venezuela: Miranda: Cerro del Bachiller 116240, 116336.
Africa: Amani (cult.) A. Peter 49359 (MO).
- 64b. Erythrina corallodendrum var. bicolor Krukoff, Brittonia
3: 275. 1939.
West Indies: Montserrat: R. A. Howard 18956; Grenada:
R. A. Howard 18743, 18752.
74. Erythrina zeyheri Harvey, Fl. Cap. 2: 236. 1862.
S. Rhodesia: Matopos Res. Sta., Plowes 1383 (MO).
78. Erythrina vogelii Hooker f., Niger Flora 307. 1849.
Upper Volta: C. Geerling 1086 (MO). (Sindou, savanna),
1215 (MO) (Bobo-Dioulasso, in creek ravine), 1631 (MO) (3 km
E of Bouna).
94. Erythrina latissima E. Meyer, Comm. Pl. Afr. Austr. 1:
151. 1836.
S. Africa: van Steenis 24008 (L).
96. Erythrina variegeta L., Herb. Amboin. 10. 1754; Amoen.
Acad. 4: 122. 1759, based on Gelala alba Rumphius, Herb.

Amboin. 2: 234, tab 77. 1750.

Borneo: Brunei: Mitsuru Hotta 13420. Marshall Islands, H. St. John 21745. Mangareva Islands: H. St. John 14671 (A), 14808 (A), F. R. Fosberg 11623 (A). Grenada (cult.), R. A. Howard 18827. Belize: Gayo: (cult.) Dieckman 189 (MO).

97. *Erythrina tahitensis* Nadeau, Enum. Pl. Tahiti 80. 1873.
Hawaii: Glen Spence s.n. (July 17, 1978).

Hawaii: Otto Degener 33677 (A).

102. *Erythrina velutina* Willdenow in Ges. Nat. Freunde Berlin Neue. Schriften 3: 426. 1801.

Brazil: Bahia: S. A. Mori 11816. Ecuador: El Oro: Linda Albert de Escobar 708, 912.

102a. *Erythrina velutina* Welldenow, f. *aurantiaca* (Ridley)
Krukoff, Brittonia 3: 329. 1939.

Venezuela: Island Fernando Noronha, G. T. Prance 26343.

Bibliography

(In order to conserve space, I am citing only the papers which are not cited in Supplements VII - XIV).

1. Carter, E. J. H. Wayside trees of Malaya 1: 367-371. 1940.
2. El-Olemy, M. M. Erythrina alkaloids. Lloydia 41: 342-348. 1978.
3. Ito, Kazuo, and Hitoshi Tanaka, Studies on the *Erythrina* x *bidwillii* Lindl. Chem. Pharm. Bull. 22 (9): 2108-2112. 1974.
4. " " et al. Studies of Erythrina alkaloids IX. Reactions of Erythrina - Alkaloids by Metallic Sodium in Liquid Ammonia. J. Pharm. Soc. J. P. N. 95 (2): 170-175. 1975.
5. " " et. al. Studies of Erythrina alkaloids X. Alkaloids of several Erythrina plants from Singapore. J. Pharm. Soc. J. P. N. 95 (3): 358-362. 1975.

List of Exsiccatae

The first list of Exsiccatae was published in Supplement #13 (*Phytologia* 41: 256-300. 1979) it covers all papers up to and including Supplement #11; the second list was published in Supplement #14 (*Phytologia* 44: 28-32. 1979 and it covers Supplements #12 and 13. The present list covers the present paper.

The first figure in Exsiccatae after the collector's name is the collection number of the specimen, and the figure in parenthesis is the number of species as they are arranged in conspectus of the species of the genus Erythrina (*Lloydia* 37 (3): 332-459. 1974 and the Supplements VII - XV).

Only numbered collections and those of which the dates of collections are recorded have been listed. If a collector gathered his collection together with others, only his is cited in this list. Collections with Dr. Prance's numbers are cited under Prance.

Balslev, H., 10324 (15)

Beck, St. G., 1862 (7)

Beusekom, van C. F., 2835A (10).

Degener, Otto, 33677 (97)

Dieckman, L., 189 (96)

Escobar de, Linda Albert, 912 (102), 708 (102)

Ewan, Joseph, 21365 (22a)

Fay, J. J. 920 (22b), 926 (22b)

Fosberg, F. R., 11623 (96)

Garcia-Barriga, H., 20200 (54), 20302 (1), 20954 (54), 20960 (54),
21039 (54)

Gentry, A., 516 (53)

Gregg, 586 (24)

Hammel, Barry, 7146 (41)

Hatschbach, G., 19833 (3)

Hotta, Mitsuru, 13420 (96)

Howard, R. A., 18743 (64b), 18752 (64b), 18753 (7), 18827 (96),
18956 (64b)

Janzen, D. A., 10627 (58)

Marcks, Brian, 696 (20)

Maxwell, J. F., 74-921 (10), 75-57 (10), 75-107 (10), 75-573 (1),
75-1123 (13)

Mori, S. A., 11816 (102)

Oyayomi, OFOOA 338 (79)

Peter, A., 49359 (62)

Plowes, D. C., 1383 (74)

Prance, G. T., 26343 (102a)

Pullen, R., 7078 (1), 7079 (1)

Rosas R., Marino, 1290 (30)

St. John, H., 14671 (96), 14808 (96), 21745 (96)

Sauer, J. D., 5811 (53)

Steenis, van, 24008 (94)

Steyermark, J. A., 108762 (7), 116240 (62), 116336 (62), 116412 (7).

Traverse, Alfred, 1113 (22a)

Vargas, C., 13684 (7)

Waller, Floyd R., 3600 (22a)

White, Starker, 428 (53)